aiwa

COMPACT DISC STEREO SYSTEM

NSX-V200

OPERATING INSTRUCTIONS

86-CT2-902-01
960209ATM-U

K

COMPACT disc DIGITAL AUDIO

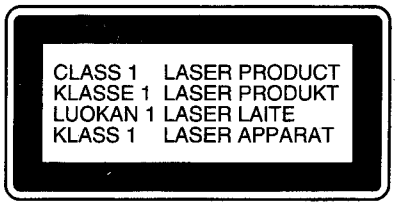
WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This compact disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the exterior.



CAUTION!

Invisible laser radiation when open and inter locks defeated. Avoid exposure to beam.

WARNING

This appliance is supplied with a fitted three pin mains plug. A 3 amp fuse is fitted in the plug.
Should the fuse need to be replaced, use a 3 amp fuse approved by ASTA or BSI to BS1362. When replacing the fuse, you must ensure that any removable fuse covers are correctly refitted.
If you should lose the fuse cover, please contact your nearest AIWA dealer.

DO NOT CUT OFF THE PLUG FROM THIS APPLIANCE. If the plug fitted is not suitable for the power points in your home, or the cable is too short to reach a power point, obtain an appropriate safety approved extension lead or adaptor. If in any doubt please consult a qualified electrician.

If the plug is cut off, remove the fuse and dispose of the plug immediately. **THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.**

If a new plug is to be fitted please ensure it contains a 3 amp fuse, otherwise the circuit should be protected by a 5 amp fuse at the distribution board.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

BLUE — NEUTRAL
BROWN — LIVE

As the colours of the wires in the mains lead of this appliance may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked by the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked by the letter L or coloured RED.

DO NOT connect either the BLUE or BROWN wires in the mains lead to the earth terminal (marked with the letter E or by the earth symbol ⏚ or coloured GREEN or GREEN/YELLOW) of a three pin plug.

Welcome to the Aiwa Stereo System

Congratulations on your purchase of an Aiwa Stereo System. To optimize the performance of this system, please take the time to read through these Operating Instructions and become familiar with the operating procedures.

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PRECAUTIONS

Read the Operating Instructions carefully and completely before operating the unit. Be sure to keep the Operating Instructions for future reference. All warnings and cautions in the Operating Instructions and on the unit should be strictly followed, as well as the safety suggestions below.

Installation

1 **Water and moisture** — Do not use this unit near water, such as near a bath, sink, swimming pool, or the like.
2 **Heat** — Do not use this unit near sources of heat, including heating vents, stoves, or other appliances that generate heat. It also should not be placed in temperatures less than 5°C (41°F) or greater than 35°C (95°F).
3 **Mounting surface** — Place the unit on a flat, even surface.
4 **Ventilation** — The unit should be situated with adequate space around it so that proper heat ventilation is assured. Allow 10 cm (4 in.) clearance from the rear and the top of the unit, and 5 cm (2 in.) from each side.
   - Do not place the unit on a bed, rug, or similar surface that may block the ventilation openings.
   - Do not install the unit in a bookcase, cabinet, or airtight rack where ventilation may be impeded.
5 **Objects and liquid entry** — Take care that objects or liquids do not get inside the unit through the ventilation openings.
6 **Carts and stands** — When placed or mounted on a stand or cart, the unit should be moved with care.
   Quick stops, excessive force, and uneven surfaces may cause the unit or cart to overturn or fall.
7 **Condensation** — Moisture may form on the CD pickup lens when:
   - The unit is moved from a cold spot to a warm spot
   - The heating system has just been turned on
   - The unit is used in a very humid room
   - The unit is cooled by an air conditioner
   When this unit has condensation inside, it may not function normally. Should this occur, leave the unit for a few hours, then try to operate again.
8 **Wall or ceiling mounting** — The unit should not be mounted on a wall or ceiling, unless specified in the Operating Instructions.

Electric Power

1 **Power sources** — Connect this unit only to power sources specified in the Operating Instructions, and as marked on the unit.
2 **AC power cord**
   - When disconnecting the AC power cord, pull it out by the AC power plug. Do not pull the cord itself.
   - Never handle the AC power plug with wet hands, as this could result in fire or shock.
   - Power cords should be firmly secured to avoid being severely bent, pinched, or walked upon. Pay particular attention to the cord from the unit to the power socket.
   - Avoid overloading AC power plugs and extension cords beyond their capacity, as this could result in fire or shock.
3 **When not in use** — Unplug the AC power cord from the AC power plug if the unit will not be used for several months or more. When the cord is plugged in, a small amount of current continues to flow to the unit, even when the power is turned off.

Maintenance

Clean the unit only as recommended in the Operating Instructions.

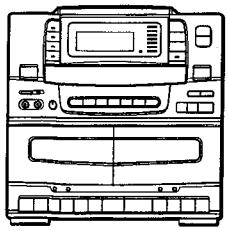
Damage Requiring Service

Have the units serviced by a qualified service technician if:
- The AC power cord or plug has been damaged
- Foreign objects or liquid have got inside the unit
- The unit has been exposed to rain or water
- The unit does not seem to operate normally
- The unit exhibits a marked change in performance
- The unit has been dropped, or the cabinet has been damaged

DO NOT ATTEMPT TO SERVICE THE UNIT YOURSELF.

Check your system and accessories

CX-NV200 compact disc stereo cassette receiver



SX-NV200 (L, R) Front speakers

MW/LW antenna

Remote control

Operating instructions, etc.

CONNECTIONS

Before connecting the AC cord

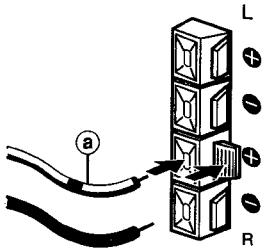
The rated voltage of your unit shown on the rear panel is 230 V AC. Check that the rated voltage matches your local voltage.

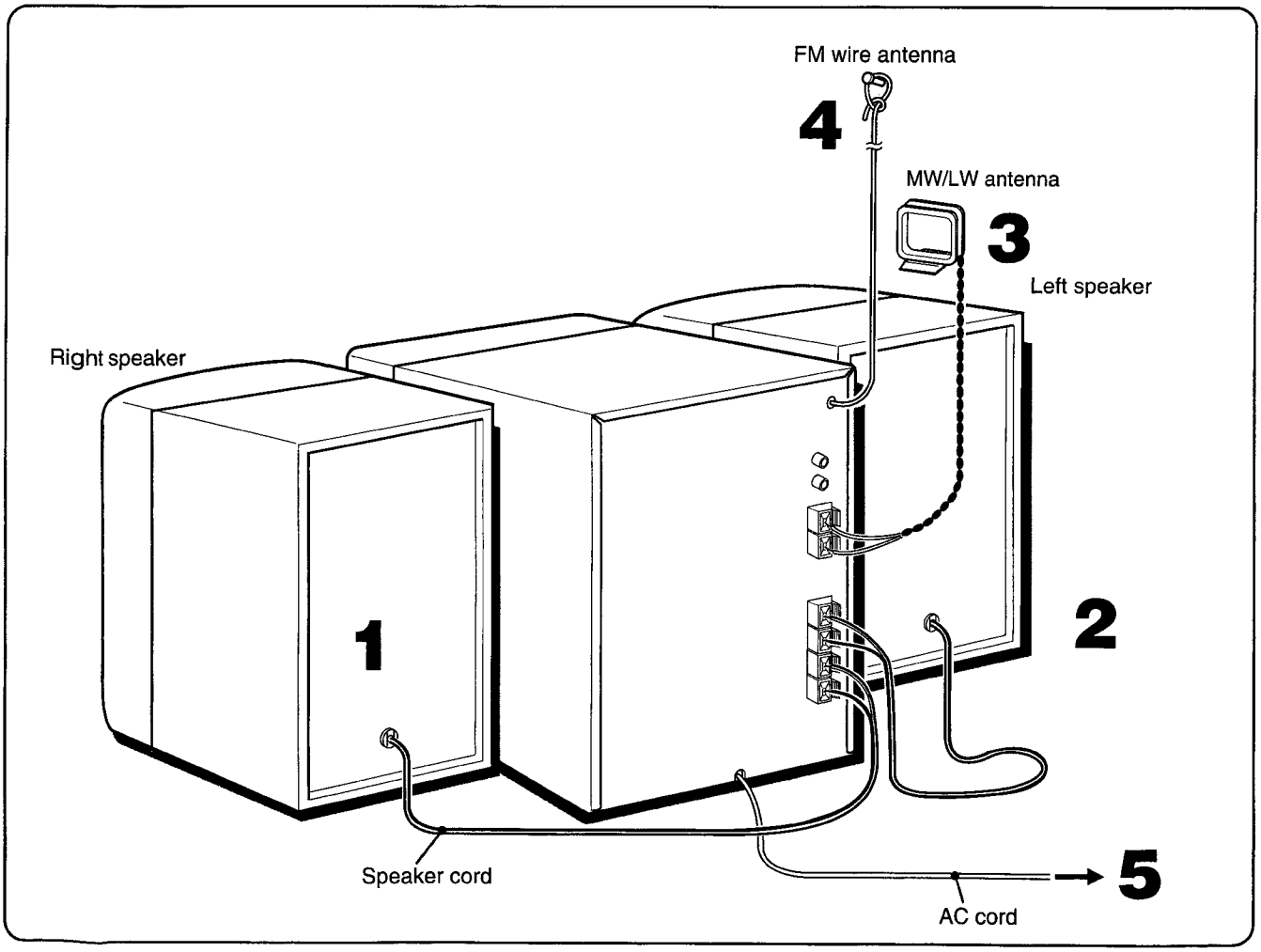
IMPORTANT

- Connect the speakers, antennas, and all optional equipment first. Then connect the AC cord in the end.

1 Connect the right speaker to the main unit.

Connect the right speaker cord to the SPEAKERS R terminals. The speaker cord with the white stripe ⓐ should be connected to the ⊕ terminal and the black cord to the ⊖ terminal.



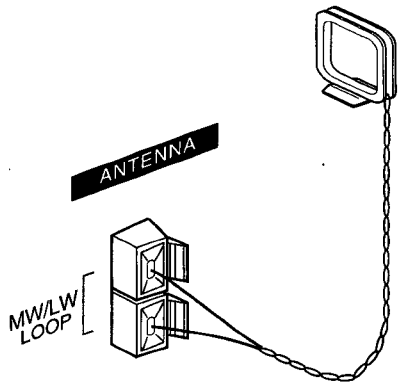


2 Connect the left speaker to the main unit.

Connect the left speaker cord to the SPEAKERS L terminals in the same manner as step 1.

3 Connect the supplied MW/LW loop antenna.

Connect the MW/LW antenna to the MW/LW LOOP terminals.

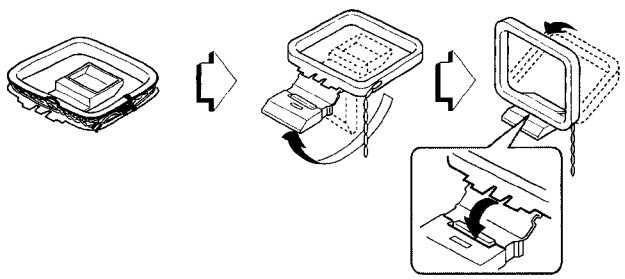


4 Extend the FM wire antenna and fix its end to a wall, etc.

5 Connect the AC cord to an AC outlet.

To stand the MW/LW antenna on a surface

Fix the claw to the slot.



To position the antennas

FM wire antenna:

Extend this antenna fully, make a knot at its end and fix it to a wall, etc.

MW/LW loop antenna:

Position to find the best direction.

NOTE

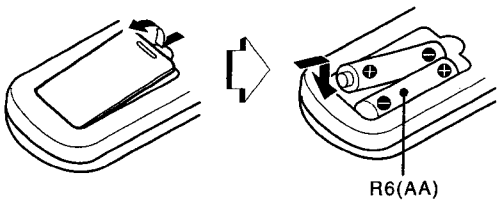
- Be sure to connect the speaker cords correctly. Improper connections can cause short circuits in the SPEAKERS terminals.
- Do not leave objects generating magnetism near the speakers.
- Do not bring the FM antenna near metal objects or curtain rails.
- Do not bring the MW/LW loop antenna near other optional equipment, the stereo system itself, the AC cord or speaker cords, since noise will be picked up.
- Do not unwind the MW/LW loop antenna wire.

To connect other optional equipment → page 15

REMOTE CONTROL

Inserting batteries

Detach the battery cover on the rear of the remote control and insert two R6 (size AA) batteries.



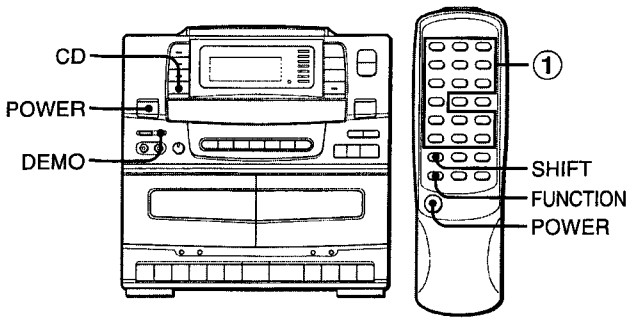
When to replace the batteries

The maximum operational distance between the remote control and the sensor on the main unit should be approximately 5 meters (16 feet). When this distance decreases, replace the batteries with new ones.

NOTE

- If the unit is not going to be used for an extended period of time, remove the batteries to prevent possible electrolyte leakage.
- The remote control may not operate correctly when:
  - The line of sight between the remote control and the remote sensor inside the display window is exposed to intense light, such as direct sunlight
  - Other remote controls are used nearby (television, etc.)

BEFORE OPERATION



To turn the unit on
Press the POWER button on the main unit or the remote control. Turning on the unit immediately after connecting the AC cord initially selects the CD function.
To turn the unit off, press the POWER button again.

DEMO (Demonstration) mode
Whenever the unit is turned on with the CD function selected, the display window demonstrates the functions of the unit.

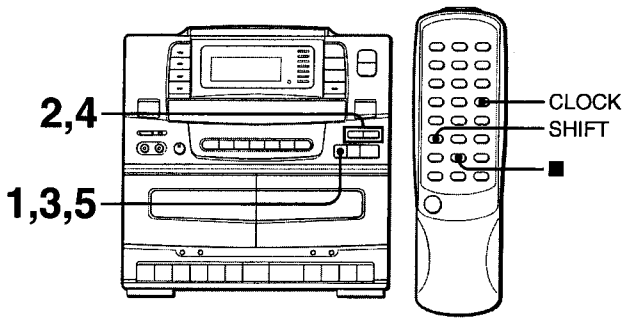
To cancel DEMO mode
Press the DEMO button. To reenter, press again.
When any button is pressed, the DEMO display temporarily goes out until the unit is turned off.

After use
Press the POWER button to turn off the unit. The display changes to the clock.

To use the SHIFT button on the remote control
Buttons ① have two different functions. One on these functions is indicated on the plate above the button (in silver), and the other on the plate below the button (in green).
To use the function on the plate above the button, simply press the button.
To use the function on the plate below the button, press the button while pressing the SHIFT button.

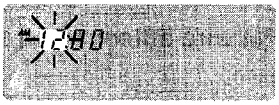
To use the FUNCTION button on the remote control
The FUNCTION button substitutes for the functions (TAPE, TUNER BAND, AUX or CD) on the main unit.
Each time the FUNCTION button is pressed, the next function is selected cyclically.

SETTING THE CLOCK



Set the time as follows while the power is off.

1 **Press the ▮▮ SET button.**
The hour flashes.



2 **Press the ⏮ DOWN or ⏭ UP button to designate the hour.**

3 **Press the ▮▮ SET button to set the hour.**
The hour stops flashing and the minute starts flashing.

4 **Press the ⏮ DOWN or ⏭ UP button to designate the minute.**

5 **Press the ▮▮ SET button to set the minute and complete setting.**
The minute stops flashing on the display and the clock starts from 00 second.

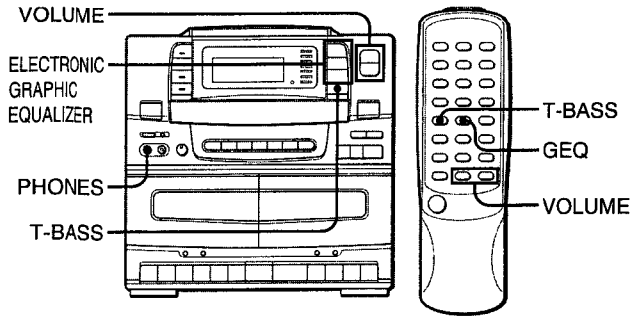
To correct the current time
Press the POWER button to turn the unit off. Press the ▮▮ SET button and carry out step 2 to 5 above.

To display the current time
Press the CLOCK button while pressing the SHIFT button on the remote control. The clock appears for 4 seconds.
However, the time cannot be displayed during recording.

To switch to the 24-hour standard
Press the CLOCK button while pressing the SHIFT button on the remote control, to display the clock, and then press the ■ button within 4 seconds.
Repeat the same procedure to restore the 12-hour standard.

If the clock display flashes while the power is off
This is caused by a power interruption. The current time needs to be reset.
If the power is interrupted for more than approximately 12 hours, all settings stored in memory after purchase need to be reset.

SIMPLE AUDIO ADJUSTMENT



VOLUME

Press the VOLUME ∧ UP button to increase the volume level or press the VOLUME ∨ DOWN button to decrease the volume level.
The current level numbered from 0 to 15, or MAX appears on the display.

T-BASS SYSTEM

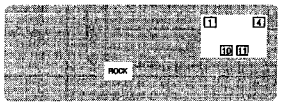
The T-BASS system enhances the realism of low-frequency sound.
Press the T-BASS button.
The indicator on the T-BASS button lights up.
To cancel the T-BASS system, press it again.

NOTE
Low frequency sound may be distorted when the T-BASS system is used for a disc or tape in which low frequency sound is originally emphasized. In this case, cancel the T-BASS system.

GRAPHIC EQUALIZER

This unit provides the following three different equalization curves.
ROCK: Powerful sound emphasizing treble and bass.
POP: More presence in the vocals and midrange.
JAZZ: Accented lower freguencies for jazz-type music.

Press one of the ELECTRONIC GRAPHIC EQUALIZER buttons.



To cancel the selected mode
Press the selected button again.

When using the remote control
Press the GEQ button repeatedly until the desired curve appears on the display.
The GEQ curve appears cyclically as follows.

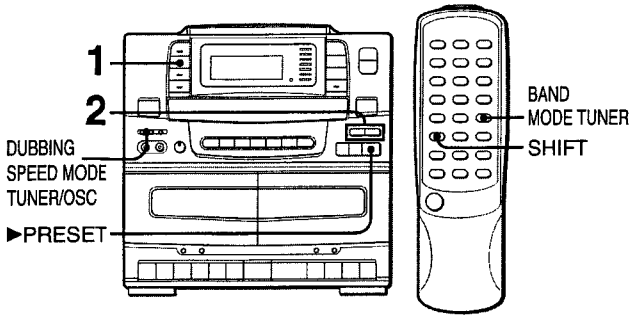
ROCK → POP → JAZZ

SOUND ADJUSTMENT DURING RECORDING

The output volume and tone of the speakers or headphones may be freely varied without affecting the level of the recording.

Using the headphones
Connect headphones to the PHONES jack with a stereo mini plug (ø3,5 mm, 1/4 inch).
No sound is output from the speakers while the headphones are plugged in.

MANUAL TUNING



1 Press the TUNER BAND button repeatedly to select the desired band.

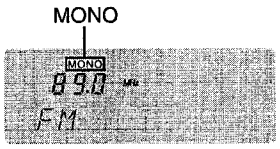
FM → MW → LW

When using the remote control
Press the BAND button after selecting the tuner function with the FUNCTION button.

2 Press the TUNING ⏮ DOWN or ⏭ UP button to select a station.
Each time the button is pressed, the frequency changes.
During FM stereo reception, "STEREO" appears on the display.

To search for a station quickly (Auto Search)
Keep the TUNING ⏮ DOWN or ⏭ UP button pressed until the tuner starts searching for a station. After tuning in to a station, the search stops.
To stop the Auto Search manually, press either the ⏮ DOWN or ⏭ UP button again.
- The Auto Search may not stop at stations with very weak signals.

When an FM stereo broadcast contains noise
Press the DUBBING SPEED MODE TUNER/OSC button so that "MONO" appears on the display.
Noise is reduced, although reception is monaural.

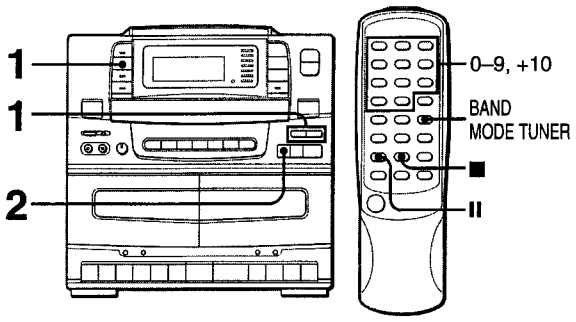


To restore stereo reception, press it again. "STEREO" appears on the display instead of "MONO".

To change the MW tuning interval
The default setting of the MW tuning interval is 9 kHz/step. If you use this unit in an area where the frequency allocation is 10 kHz/step, change the tuning interval.
Press the TUNER BAND button while pressing the PRESET/TUNING button.
To reset the interval, repeat this procedure.

NOTE
When the MW tuning interval is changed, all preset stations (see "PRESETTING STATIONS") are cleared. The preset stations have to be set again.

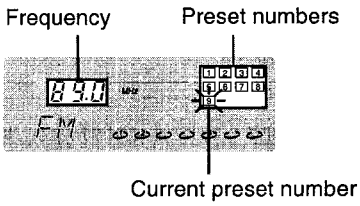
PRESETTING STATIONS



The unit can store a total of 32 preset stations (16 stations for each band). When a station is stored, a preset number is assigned to the station. Use the preset number to tune in to a preset station directly.

1 Press the TUNER BAND button to select a band, and press the TUNING ⏮ DOWN or ⏭ UP button to select a station.

2 Press the II SET button to store the station.
A station is assigned a preset number, beginning from 1 in consecutive order for each band.



3 Repeat steps 1 and 2.
The next station will not be stored if a total of 32 preset stations have already been stored for all the bands.

PRESET NUMBER TUNING

Use the remote control to select the preset number directly.

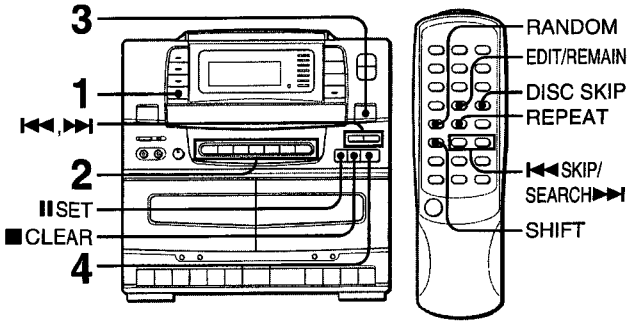
1 Press the BAND button to select a band.

2 Press the numeric buttons to select a preset number.
Example:
To select preset number 25, press the +10, +10 and 5 buttons.
To select preset number 10, press the +10 and 0 buttons.

Selecting a preset number on the main unit
Press the TUNER BAND button to select a band. Then, press the ▶ PRESET TUNING button repeatedly.
Each time the button is pressed, the next highest number is selected.

To clear a preset station
Select the preset number of the station to be cleared. Then, press the ■ CLEAR button, and press the II SET button within 3 seconds.
The preset numbers of all other stations in the band with higher numbers are also decreased by one.

BASIC OPERATIONS



- UP to seven compact discs (5-inch/12 cm only) can be inserted into the unit and played continuously for your uninterrupted CD play.
- After the initial connection of the AC cord or a power interruption, all the disc tray indicators on the right side in the display flash. The unit starts to search and determine whether a disc is loaded on each of the seven disc trays.

1 Press the CD button.

The CD function is selected and the button lights up in red.

2 Press one of the DIRECT PLAY/DIRECT OPEN buttons to select the disc tray.

The indicator of the selected DISC DIRECT PLAY button lights up and the disc compartment opens.

If the disc compartment does not open

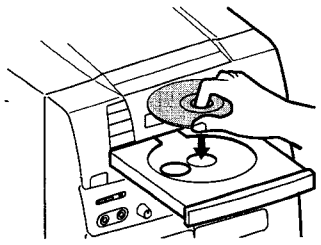
Press the DISC CHANGE/CLOSE button.

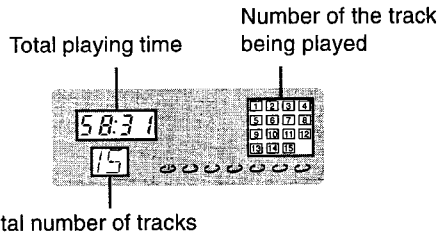
If a disc is inserted in the selected disc tray

The unit starts playing the disc from the first track and stops at the end of the last track of the disc.

3 Load disc with the label side up and press the DISC CHANGE/CLOSE button to close the disc compartment.

To load more discs, repeat steps 2 and 3.





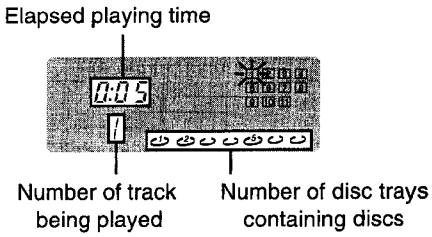
NOTE

Only the first 16 tracks are displayed even if the disc contains 17 tracks or more.

4 Press the ▶ button to start CD play.

The indicator of the selected disc tray flashes.

The unit continues to play all discs loaded on from the selected disc tray up to the 7th tray once.



To play one disc only

Press one of the DISC PLAY/DIRECT OPEN buttons.

The indicator of the selected disc flashes, and the selected disc is played once.

To stop play, press the ■ button.

To pause play, press the ⏸ button. To resume play, press again.

To search for a particular point during playback

Keep the ⏮ or ⏭ button pressed and release the button at the desired point.

To skip discs

Press the DISC SKIP button on the remote control and press ▶ button to start playing the selected disc.

To skip to the beginning of a track during playback

Press the ⏮ or ⏭ button repeatedly.

To remove discs

Press the DISC CHANGE/CLOSE button and press the DIRECT PLAY/DIRECT OPEN button of the desired disc.

To check the remaining time

Press the EDIT REMAIN button while pressing SHIFT button on the remote control during play. The amount of time remaining until all tracks finish playing is displayed. To restore the play time display, repeat the above again.

Selecting a track with the remote control

1 Press DISC SKIP button to select a disc.
2 Press the numeric buttons and the +10 button to select a track.
Example:
To select the 25th track, press the +10, +10 and 5 buttons.
To select the 10th track, press the +10 and 0 buttons.
The selected track starts to play and continues to the end of that disc.

Replacing discs during play

While one disc is playing, the other discs can be replaced or new discs can be loaded on without interrupting play.

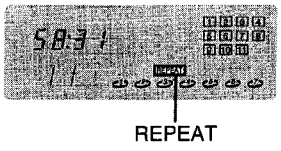
1 Press the DISC CHANGE/CLOSE button and press the DIRECT PLAY/DIRECT OPEN button of the desired disc to open the disc compartment.
2 Remove the discs and replace with other discs.
3 Press the DISC CHANGE/CLOSE button to close the disc compartment.

NOTE

- Do not use an 8-cm (3-inch) disc with this unit even if a commercially available CD single adapter is attached. Doing so may cause disc damage or malfunctions.
- Do not place more than one compact disc on one disc tray.
- Do not tilt the unit with discs loaded. Doing so may cause malfunctions.

REPEAT PLAY

A single disc or all the discs can be played repeatedly.
Use the remote control.
Press the REPEAT button while pressing the SHIFT button.
"REPEAT" lights up on the display.



- Press the ▶ button to play all the tracks of all the discs repeatedly.
- Press one of the DIRECT PLAY/DIRECT OPEN button to play only the selected disc repeatedly.

To cancel repeat play, press it again. "REPEAT" disappears on the display.

RANDOM PLAY

All the tracks on the selected disc or on all the discs can be played randomly.
Use the remote control.
Press the RANDOM button while pressing the SHIFT button.
"RANDOM" lights up on the display.

- Press the ▶ button to play all the tracks of all the discs in random order.
- Press one of the DIRECT PLAY/DIRECT OPEN button to play only the selected disc in random order.

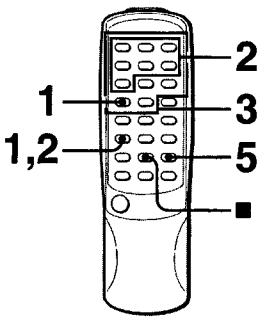
To cancel random play, press it again. "RANDOM" disappears on the display.

NOTE

- Even if the ⏮ button is pressed, a previously played track cannot be skipped. The unit returns to the beginning of the current track only.
- Direct selection of the tracks with the numeric buttons is disabled.

PROGRAMMED PLAY

Up to 30 tracks can be programmed from any of the inserted discs.



Use the remote control.

***1* Press the PRGM button while pressing the SHIFT button in stop mode.**

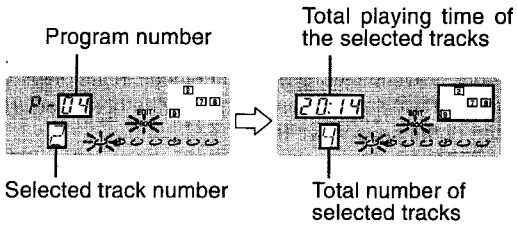
"PROG" flashes on the display.

***2* Press one of the disc tray number buttons while pressing the SHIFT button to select a disc.**

The selected disc flashes on the display.

***3* Press the numeric buttons and the +10 button to program a track.**

Example:
To select the 25th track, press the +10, +10 and 5 buttons.
To select the 10th track, press the +10 and 0 buttons.



***4* Repeat steps 2 and 3 to program other tracks.**

***5* Press the ▶ button to start play.**

To check the program
Press the ▶▶| button in stop mode.
A disc number and track number is displayed with the program number.

To clear the program
Press the ■ CLEAR button in stop mode.

To add tracks to the program
Repeat steps 2 and 3 in stop mode. The tracks will be programmed following the last track.

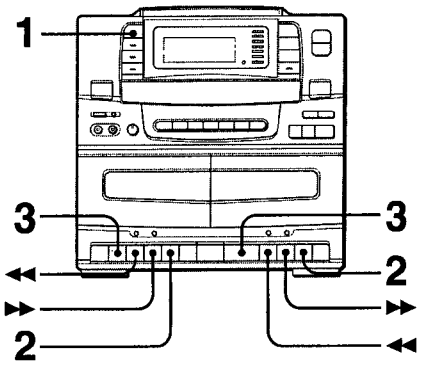
To change the programmed tracks
Clear the program and repeat the procedure again.

To repeat programmed tracks
Before pressing the button to start play, press the REPEAT button while pressing the SHIFT button.
All the programmed tracks are played repeatedly.

NOTE

- During the programmed play, the DIRECT PLAY/DIRECT OPEN, DISC CHANGE/CLOSE, and numeric buttons do not function.
- The RANDOM play is not acceptable during the programmed play.

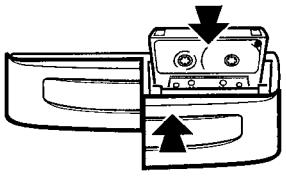
BASIC OPERATIONS



- Use Type I (normal) tape only. This unit cannot take full advantage of Type II (chrome) or Type IV (metal) tape.

***1* Press the TAPE button and press the ■/⏏ button to open the cassette holder.**

***2* Insert a tape the exposed side down. Push the cassette holder to close.**



***3* Press the ▶ button to start playback.**

To stop play
Press the ■/⏏ button.

To pause play
Press the ❚❚ button. To resume play, press again.

To fast forward or rewind
Press the ▶▶ or ◀◀ button in stop mode. Then press the ■/⏏ button to stop the tape.

When the end of tape is reached
The tape stops and the buttons are released. To play back the other side, turn the cassette over.

When both deck 1 and deck 2 are in playback mode
The playback on deck 2 is heard.

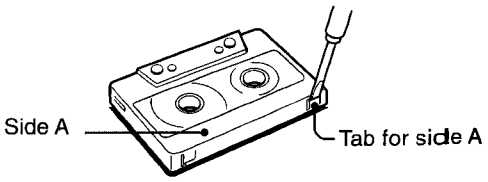
CONTINUOUS PLAY

After playback on one deck finishes, the tape in the other deck will start to play without interruption.
A tape on deck 2 is played back first and a tape on deck 1 is followed.

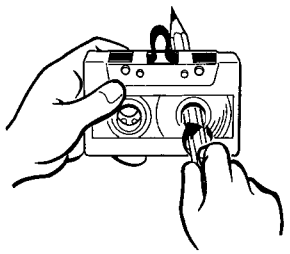
1 Insert the tape to be played first into deck 2.
2 Insert the tape to be played next into deck 1.
3 Press the TAPE button to select the TAPE function.
4 Press the ▶ button on deck 2 to start playback on deck 2.
5 Press the ❚❚ button and ▶ button on deck 1.
When the playback on deck 2 finishes, the ❚❚ button of deck 1 is released and playback starts on deck 1.

NOTE
If you use the unit near a television, noise may be heard in the playback sound. In this case, move the unit further away from the television or turn off the television.

About cassette tapes
- **To prevent accidental erasure,** break off the plastic tabs on the cassette tape after recording with a screwdriver or other pointed tool.

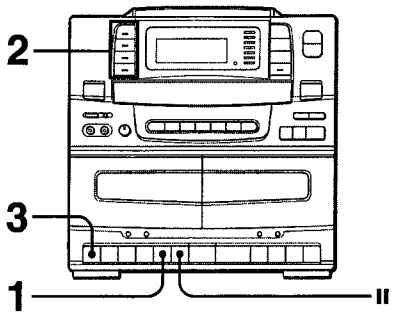


To record on the tape again, cover the tab openings with adhesive tape, etc.
- **120-minute or longer tapes** are extremely thin and easily deformed or damaged. They are not recommended.
- **Take up any slack in** the tape with a pencil or similar tool before use. Slack tape may break or jam in the mechanism.



BASIC RECORDING

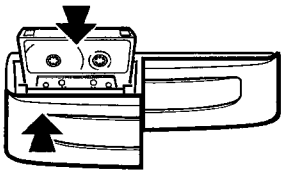
This section explains how to record from the tuner, CD player, or external equipment.



Preparation
- Set the tape to the point where recording will start.
- Use Type I (normal) tape for recording. If Type IV (metal) or Type II (chrome) tape is used, the recorded sound may not be erased completely.

1 Insert the tape to be recorded on into deck 1.

Insert the tape with the side to be recorded on first facing out from the unit and the exposed side down.



2 Press one of the function buttons and prepare the source to be recorded.

To record from a CD, press the CD button and load the disc(s).
To record from a radio broadcast, press the TUNER BAND button and tune in to a station.
To record from the connected source, press the AUX button and play the source.

3 Press the ● button to start recording.

When recording from a CD, playback and recording start simultaneously.

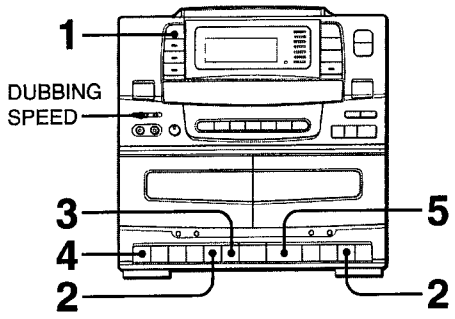
To stop recording, press the ■/≜ button. When recording from CD, pressing ■/≜ button also stops CD play.
To pause recording, press the **II** button. To resume recording, press again.

When the end of the tape is reached
Recording stops and the buttons are released. When recording from a CD, playback and recording stops simultaneously.
To record on the other side, turn the cassette over.

NOTE
- Do not change the sound source during recording.
- If the erasure prevention tab is broken off, the ● button cannot be depressed.
- The output volume and tone may not affect the level of the recording.

To erase a recording
Make sure the microphone is not connected to this unit.
1 Insert the tape to be erased into deck 1 and press the TAPE button to select the TAPE function.
2 Set the tape to the point where the erasure is to be started.
3 Press the ● button to start the erasure.

DUBBING A TAPE MANUALLY



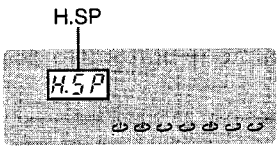
Preparation
- Set the tape to the point where recording will start.
- Note that recording will be done on one side of the tape only.
- Use Type I (normal) tape for recording. If Type IV (metal) or Type II (chrome) tape is used, the recorded sound may not be erased completely.

1 Press the TAPE button.

2 Insert the original tape into deck 2 and the tape to be recorded on into deck 1.
Insert the tapes with the sides to be played back or recorded on first facing out from the unit.

3 Press the ❚❚ button on deck 1.

4 Press the ● button on deck 1 to start recording.
The ▶ button is automatically depressed.
To dub at high speed
Press the DUBBING SPEED button so that H.SP appears on the display. To resume normal recording, press it again so that H.SP disappears.



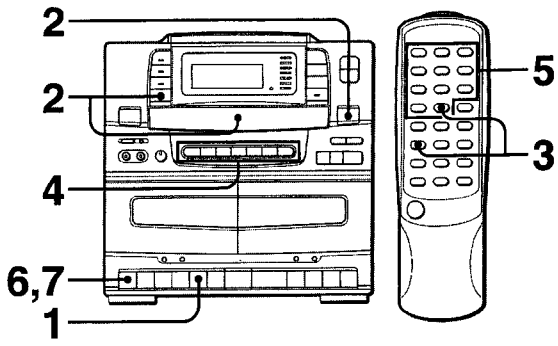
5 Press the ▶ button on deck 2 to start playback

To stop dubbing
Press the ■/⏏ buttons on deck 1 and deck 2.

When the end of the tape is reached
Recording stops and the buttons are released.

NOTE
- Do not change the sound source during recording.
- If the erasure prevention tab is broken off, the ● button cannot be depressed.
- The output volume and tone may not affect the level of the recording.

AI EDIT RECORDING



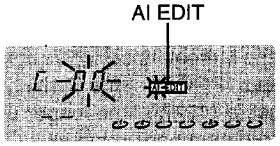
The AI edit function enables CD recording without worrying about tape length and track length. When a CD is inserted, the unit automatically calculates track lengths. If necessary, the order of tracks is rearranged so that no track is cut short.
(AI: Artificial Intelligence)

NOTE
AI edit recording will not start from a point halfway into the tape. The tape must be recorded from the beginning of either side.

1 Insert the tape into deck 1.
Insert the tape with the side to be recorded on first facing out from the unit and the exposed side down.

2 Press the CD button and load the disc(s).

3 Press the EDIT REMAIN button while pressing the SHIFT button on the remote control.
"AI EDIT" appears on the display.

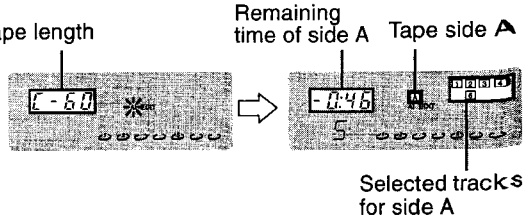


Each time it is pressed, the display changes as follows.

AI EDIT ⟶ PRGM EDIT

4 Press one of the DIRECT PLAY/DIRECT OPEN buttons to select a disc.

5 Press the numeric buttons to designate the tape length.
10 to 99 minutes can be specified.
Example: When using a 60-minute tape, press the 6 and 0.
In a few seconds, the microcomputer determines the tracks to be recorded on each side of the tape.
- The ⏮ and ⏭ buttons are also available to designate the tape length.



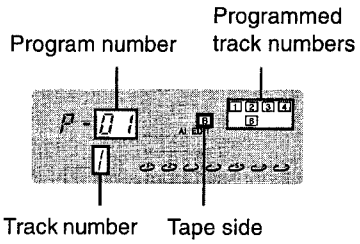
6 **Press the ● button to start AI EDIT recording on side A.**

7 **When the recording finishes on side A, turn the cassette over and rewind the tape to the beginning of side B. Then press the ● button again to start recording on side B.**

To stop recording
Press the ■ button on deck 1. Recording and CD play stop simultaneously.

To clear the edit program
Press the ■ CLEAR button twice so that "AI EDIT" disappears on the display.

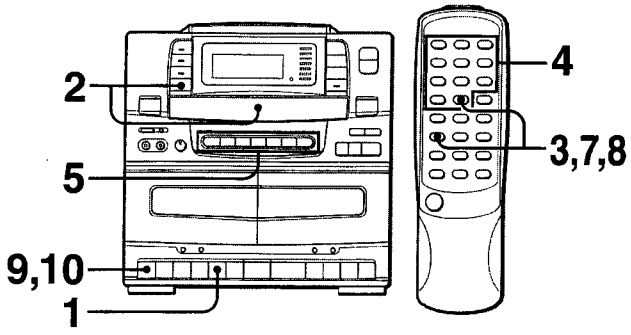
To check the order of the programmed track numbers
In stop mode, press the EDIT REMAIN button while pressing the SHIFT button to select side A or B. Then press the ⏮ or ⏭ button repeatedly.



To add tracks from other discs to the edit program
If there is any time remaining on the tape, you can add tracks from other discs in the CD compartment.
Use the remote control.
Press the EDIT REMAIN button while pressing the SHIFT button to select side A or B.
2 Press one of the disc tray number buttons while pressing the SHIFT button to select a disc.
3 Press the numeric buttons to select tracks.
"AI" goes out and "PROG" starts flashing on the display.
A track which has a playing time longer than the remaining time cannot be programmed.
4 Repeat steps 2 and 3 to add more tracks.

NOTE
- Recording is inhibited if the erasure prevention tab on either side of the tape is broken off.
- The AI edit function cannot be used with discs containing 30 tracks or more.
- During the AI EDIT recording, the DIRECT PLAY/DIRECT OPEN, DISC CHANGE/CLOSE, and numeric buttons do not function.

PROGRAMMED EDIT RECORDING



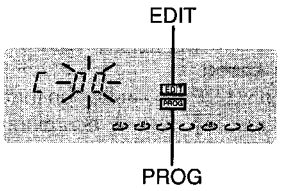
Programmed edit function enables CD recording while checking the remaining time on each side of the tape as the tracks are programmed.

NOTE
The programmed edit recording will not start from a point halfway in the tape. The tape must be recorded from the beginning of either side.

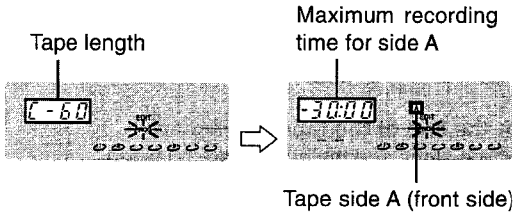
1 **Insert the tape into deck 1.**

2 **Press the CD button and load the disc(s).**

3 **Press the EDIT REMAIN button twice while pressing the SHIFT button on the remote control.**
"EDIT" and "PROG" appears on the display.

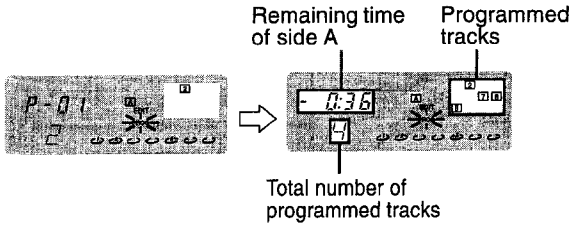


4 **Press the numeric buttons to designate the tape length.**
10 to 99 minutes can be specified.
Example: When using a 60-minute tape, press the 6 and 0 buttons.

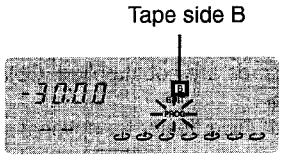


5 **Press one of the DIRECT PLAY/DIRECT OPEN buttons to select a disc and press the numeric buttons to program a track for side A.**
Example: To select the 10th track of disc 2, press DIRECT PLAY/DIRECT OPEN 2 and press +10 and 0.

6 Repeat step 5 for the rest of the tracks for side A.
A track which has a playing time longer than the remaining time cannot be programmed.



7 Press the EDIT REMAIN button while pressing the SHIFT button on remote control to select side B, and program the tracks for side B.
After confirming B on the display, repeat step 5.



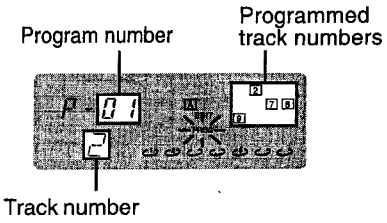
8 After programming the tracks for side B, press the EDIT REMAIN button while pressing the SHIFT button to display A (side A).

9 Press the ● button to start recording on side A.

10 After recording finishes on side A, turn the cassette over and rewind the tape to the beginning of side B. Then press the ● button to start recording on side B.

To stop recording
Press the ■ button. Recording and CD play stop simultaneously.

To check the order of the programmed track numbers
Use the remote control.
In stop mode, press the EDIT REMAIN button while pressing the SHIFT button to select side A or B, and press the I◀◀ or ▶▶I button repeatedly.



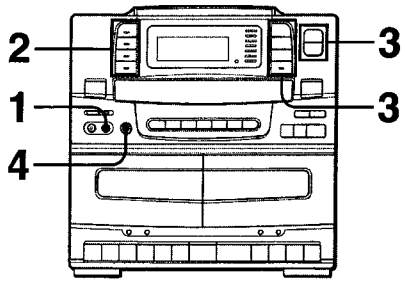
To change the program of each side
Use the remote control.
Press the EDIT REMAIN button while pressing the SHIFT button to select side A or B, and press the ■ CLEAR button to clear the program of the selected side. Then program tracks again.

To clear the edit program
Press the ■ button twice so that "EDIT" disappears on the display.

NOTE

- Recording is inhibited if the erasure prevention tab on either side of the tape is broken off.
- During the PROG EDIT recording, the DIRECT PLAY/DIRECT OPEN, DISC CHANGE/CLOSE, and numeric buttons do not function.

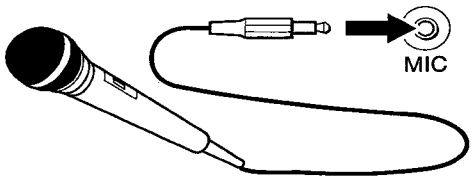
MICROPHONE MIXING



A microphone (not supplied) can be connected to this unit, allowing you to sing along to music sources.
Use a microphone with mini plugs (ø3.5 mm, 1/8 inch).

Before connecting a microphone
Set the MIC VOL control to MIN.

***1* Connect your microphone to the MIC jack**



***2* Press one of the function buttons to select the source to be mixed, and play the source.**

***3* Adjust the volume and tone of the source.**

***4* Adjust the microphone volume with the MIC VOL control.**

To record microphone sound mixed with source sound
Follow the procedure for recording from the sound source (see page 11).

To use the unit as speakers for a microphone
Press the AUX button to select the AUX function and use the microphone without connecting any plug to the AUX jack on the rear of the unit.

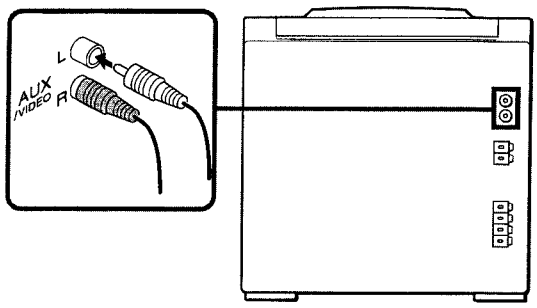
When not using the microphone
Set the MIC VOL control to MIN and remove the microphone from the MIC jacks.

NOTE

- If a microphone is held too close to the speakers, a howling sound may be produced. In this case, hold the microphone away from the speakers, or decrease the sound level using the MIC VOL control.
- If sound through the microphone is extremely loud, it may be distorted. In this case, turn the MIC VOL control toward MIN.

Recommended microphones
The use of a unidirectional type microphone is recommended to prevent howling. Contact your local Aiwa dealer for details.

CONNECTING OPTIONAL EQUIPMENT



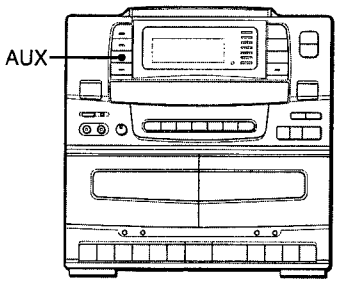
Refer to the operating instructions of the connected equipment for details.

- The connecting cords are not supplied. Obtain the necessary connecting cords.
- Consult your local Aiwa dealer for optional equipment.

AUX/VIDEO JACKS

This unit can input analog sound signals through these jacks.
Use a cable with RCA phono plugs to connect audio/video equipment that has LINE OUT jack.
Connect the red plug to the R jack, and the white plug to the L jack.

LISTENING TO EXTERNAL SOURCES



To play equipment connected to the AUX jacks, proceed as follows.

***1* Press the AUX button.**
AUX appears on the display.

***2* Play the connected equipment.**

SPECIFICATIONS

FM tuner section

Tuning range	87.5 MHz to 108 MHz
Antenna	Wire antenna

MW tuner section

Tuning range	531 kHz to 1602 kHz (9 kHz step) 530 kHz to 1710 kHz (10 kHz step)
Antenna	Loop antenna

LW tuner section

Tuning range	153 kHz to 288 kHz
Antenna	Loop antenna

Amplifier section

Power output	Rated: 7 W + 7 W (4 ohms, T.H.D. 1 %, 1 kHz/DIN 45500) Reference: 10 W + 10 W (4 ohms, T.H.D. 10 %, 1 kHz/DIN 45324)

Cassette deck section

Track format	4 tracks, 2 channels stereo
Frequency response	Normal tape: 50 Hz – 12000 Hz (EIAJ)
Recording system	AC bias
Erasure system	Magnet erase
Motor	DC motor × 1
Heads	Deck 1: Recording/Playback head × 1 Erasure head × 1 Deck 2: Playback head × 1

Compact disc player section

Laser	Semiconductor laser (λ = 780 nm)
Rotation speed	Approx. 500-200 rpm/CLV
Error correction	Cross interleave, Reed Solomon code
Number of channels	2 channels
D/A converter	1 bit dual

SPEAKER SYSTEM

Cabinet type	2-way bass reflex type
Speaker	120 mm cone type woofer 20 mm ceramic type tweeter
Impedance	4 ohms
Dimensions (W × H × D)	220 × 257 × 240 mm
Weight	2.6 kg

GENERAL

Power requirements	230 V AC, 50 Hz
Power consumption	80 W
Dimensions of main unit	260 × 269 × 299 mm
Weight	5.7 kg

Specifications and external appearance are subject to change without notice.

COPYRIGHT

Please check the laws on copyright relating to recordings from discs, radio or external tape for the country in which the machine is being used.

CARE AND MAINTENANCE

Occasional care and maintenance of the unit and the software are needed to optimize the performance of your unit.

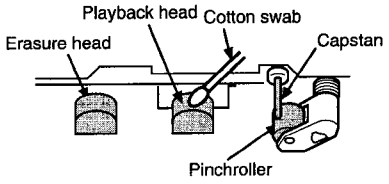
To clean the cabinet

Use a soft and dry cloth.
If the surfaces are extremely dirty, use a soft cloth lightly moistened with mild detergent solution. Do not use strong solvents, such as alcohol, benzine or thinner as these could damage the finish of the unit.

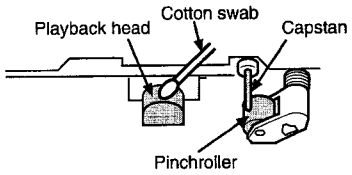
To clean the heads and tape paths

After every 10 hours of use, clean the heads and tape paths with a head cleaning cassette or cotton swab moistened with cleaning fluid or denatured alcohol. (These cleaning kits are commercially available.)
When cleaning with a cotton swab, wipe the recording/playback head, erasure head (deck 1 only), capstans, and pinchrollers.

Deck 1



Deck 2



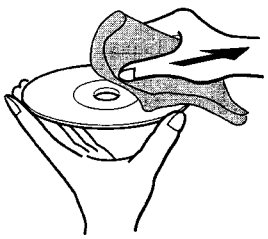
After cleaning the heads and tape paths with a liquid head cleaning cassette or a moistened swab, wait until the cleaned parts are completely dry before inserting the tapes.

To demagnetize the heads

The heads may become magnetized after long-term use. This may narrow the output range of recorded tapes and increase noise. After 20 to 30 hours use, demagnetize the heads with any commercially available demagnetizer.

Care of discs

- When a disc becomes dirty, wipe the disc from the center out with a cleaning cloth.



- After playing a disc, store the disc in its case. Do not leave the disc in places that are hot or humid.

Care of tapes

- Store tapes in their cases after use.
- Do not leave tapes near magnets, motors, television sets, or any source of magnetism. This will downgrade the sound quality and cause noise.
- Do not expose tapes to direct sunlight, or leave them in a car parked in direct sunlight.

TROUBLESHOOTING GUIDE

If the unit fails to perform as described in these Operating Instructions, check the following guide.

GENERAL

There is no sound.
- Is the AC cord connected properly?
- Is there a bad connection? (→ page 3)
- There may be a short circuit in the speaker terminals.
  → Disconnect the AC cord, then correct the speaker connections.
- Was an incorrect function button pressed?

Sound is emitted from one speaker only.
- Is the other speaker disconnected?

An erroneous display or a malfunction occurs.
→ Reset the unit as stated below.

TUNER SECTION

There is constant, wave-like static.
- Is the antenna connected properly? (→ page 3)

The reception contains noise interferences or the sound is distorted.
- Is the system picking up external noise or multipath distortion?
  → Change the orientation of the antenna.
  → Move the unit away from other electrical appliances.

CASSETTE DECK SECTION

The tape does not run.
- Is deck 1 or 2 in pause mode? (→ page 11)

The sound is off-balance or not adequately high.
- Is the playback head dirty? (→ page 16)

Recording is not possible.
- Is the erasure prevention tab on the tape broken off? (→ page 11)
- Is the recording head dirty? (→ page 16)

Erasure is not possible.
- Is the erasure head dirty? (→ page 16)
- Is a metal tape being used?

High frequency sound is not emitted.
- Is the recording/playback head dirty? (→ page 16)

CD PLAYER SECTION

The disc tray does not close.
- Is an 8 cm (3-inch) disc loaded?

The CD player does not play.
- Is the disc correctly inserted? (→ page 8)
- Is the disc dirty? (→ page 16)
- Is the lens affected by condensation?
  → Wait approximately one hour and try again.

The CD changer system does not function.
- Is the unit placed on a sloping surface?

To reset

If an unusual condition occurs in the display window, reset the unit as follows.

1 Press the POWER button to turn off the power.
2 Press the POWER button to turn the power back on while pressing the ■ CLEAR button. Everything stored in memory after purchase is canceled.

If the power cannot be turned off in step 1 because of a malfunction, reset by disconnecting the AC cord and repeat step 2.

PARTS INDEX

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